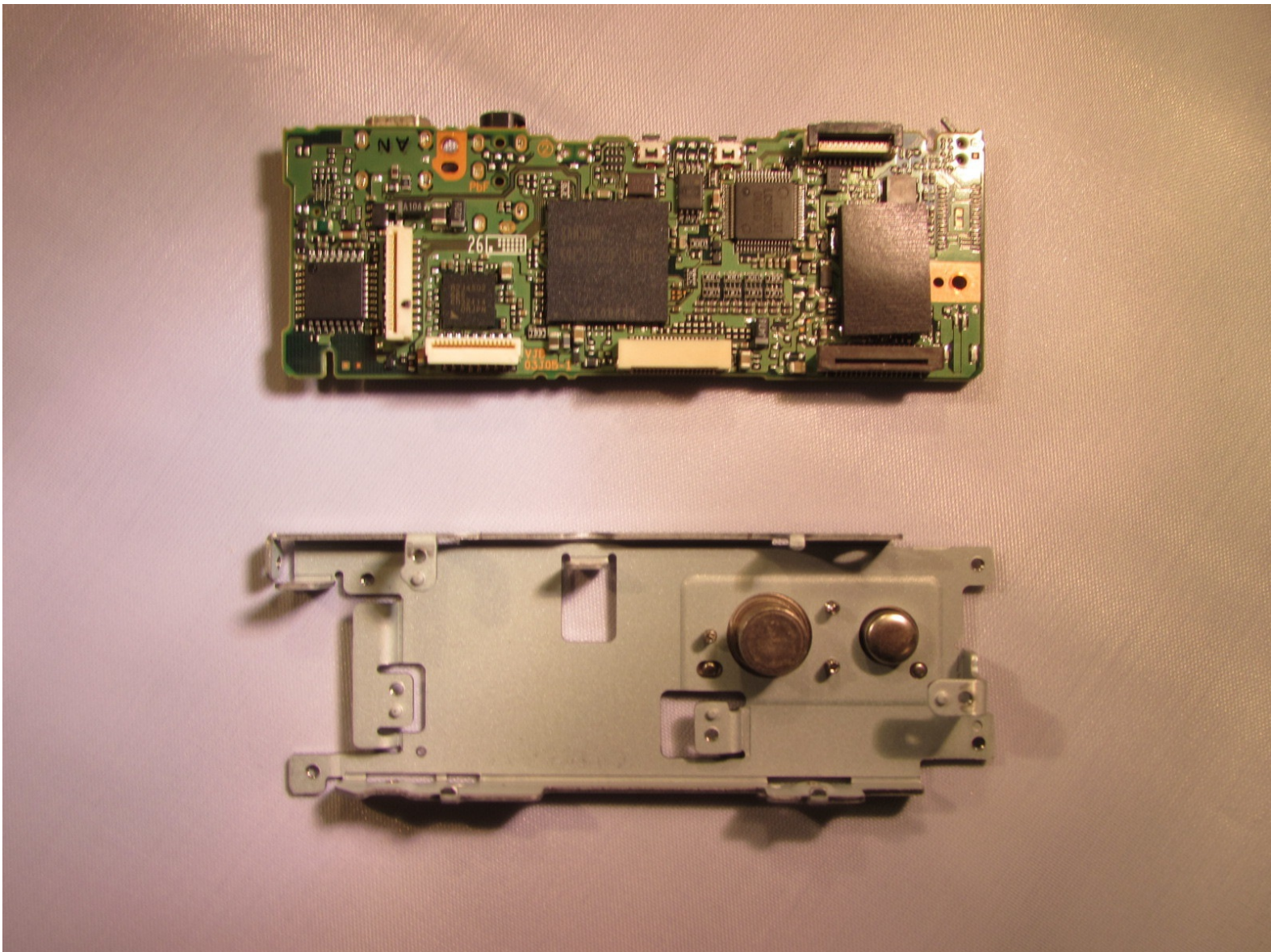




# Panasonic SDR H-100 Motherboard Replacement

The motherboard is an essential part to this camcorder and without the device will not function. This guide will show you how to get to the motherboard and how to get it out to be replaced.

Written By: Caleb Osborne





## TOOLS:

- [iFixit Opening Tools](#) (1)
  - [Screwdriver](#) (1)
  - [Tweezers](#) (1)
-



## Step 1 — Upper Cover



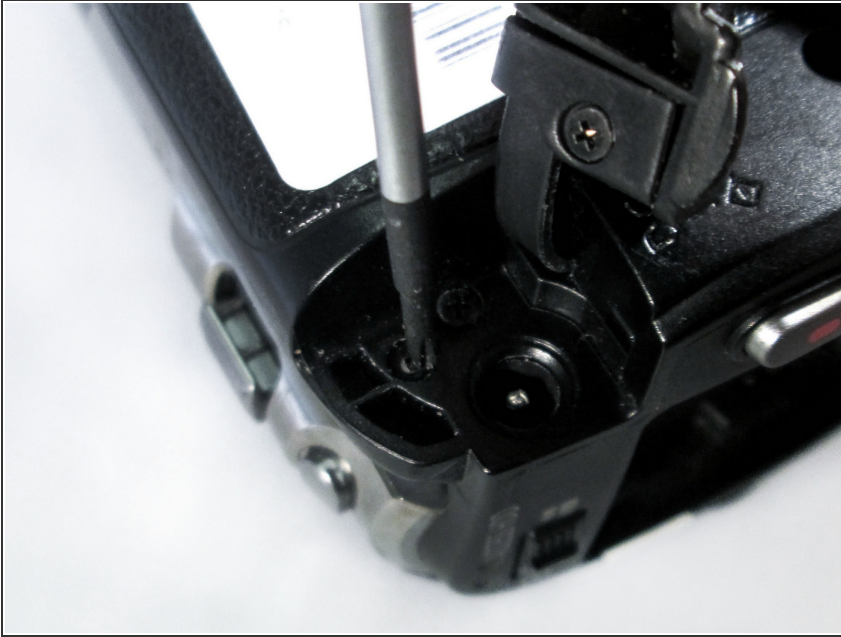
- Unscrew the four (three black, one silver) 4 mm screws on the bottom of the camcorder.

## Step 2



- Unscrew the three 6 mm screws on the right side of the camcorder.

### Step 3



- Pull back the charging port cover and remove the 4 mm screw on the camera

### Step 4



- Unscrew the two black 4 mm screws on the left side of the camcorder under the LCD (One close to the hinge and one close to the back, upper corner of the camcorder).

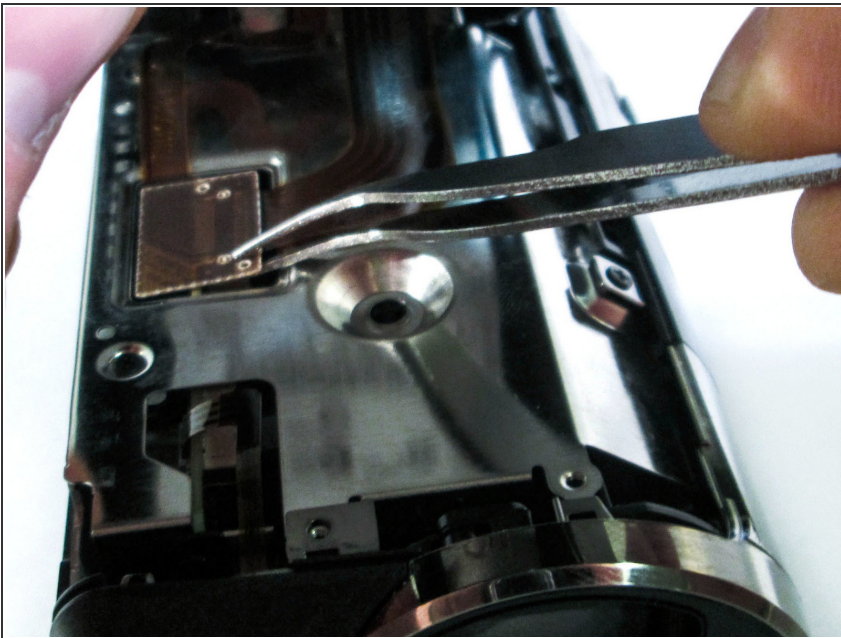


## Step 5



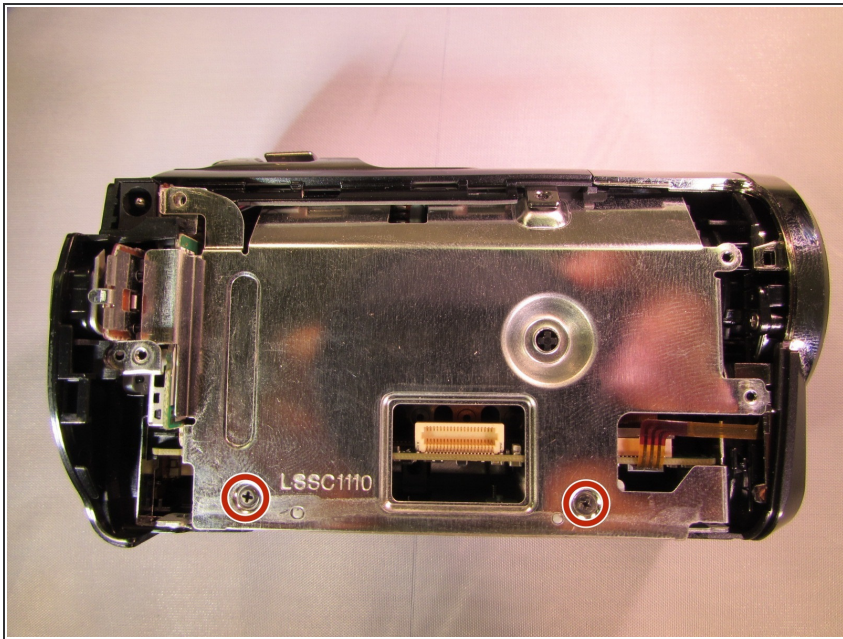
- Pull the casing under the hand strap directly outward and gently so the ribbon cable is not damaged.

## Step 6



- Grab the ribbon cable at the connection point with tweezers and slowly lift up until the connection is separated, this connects the HDD to the motherboard.

## Step 7 — Rear Cover



- Unscrew the two black 4 mm screws from metal casing around the motherboard.

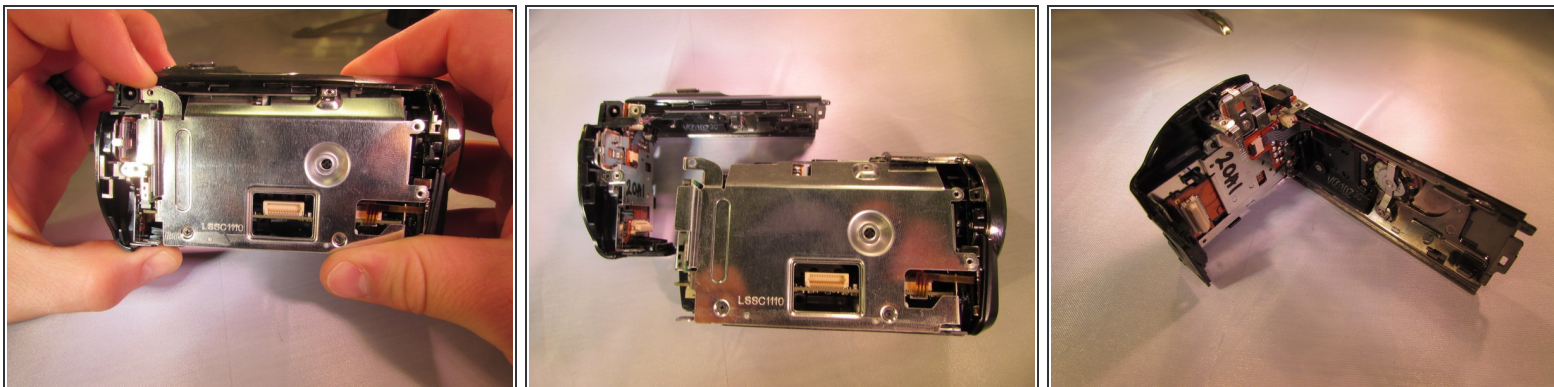
## Step 8



- Remove the black 4 mm screw from the back of the camcorder underneath where the battery would have been.

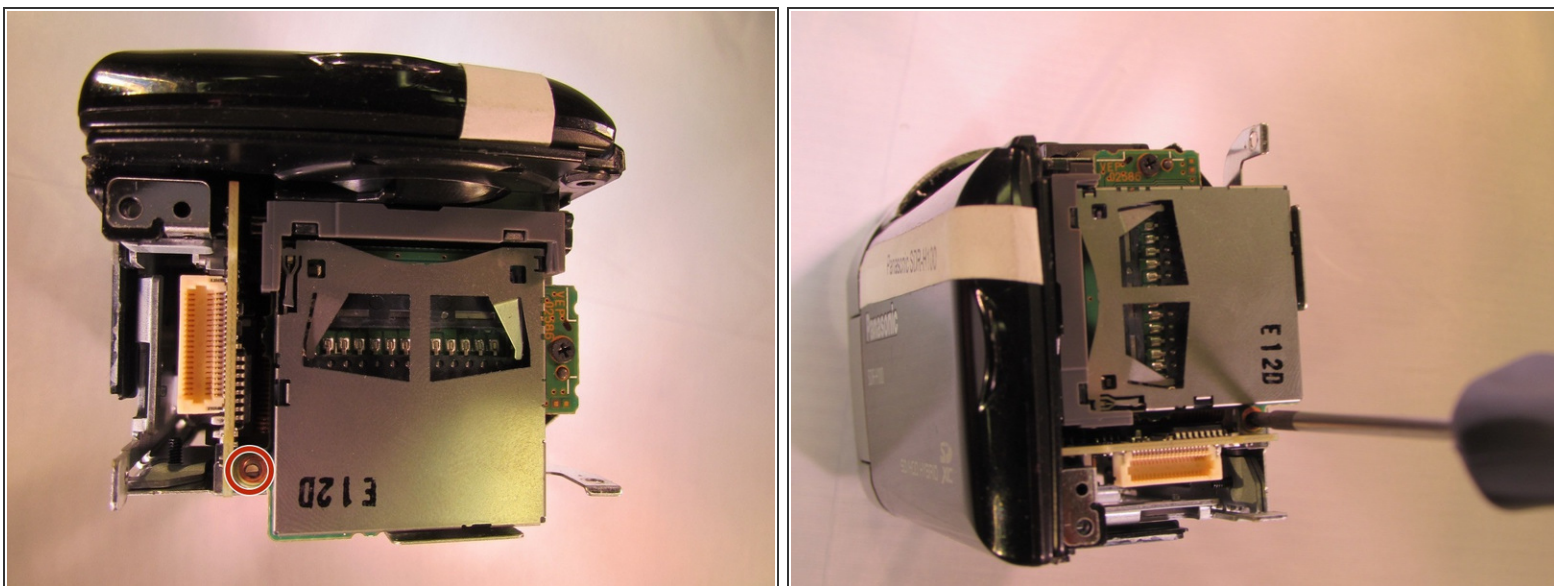


## Step 9



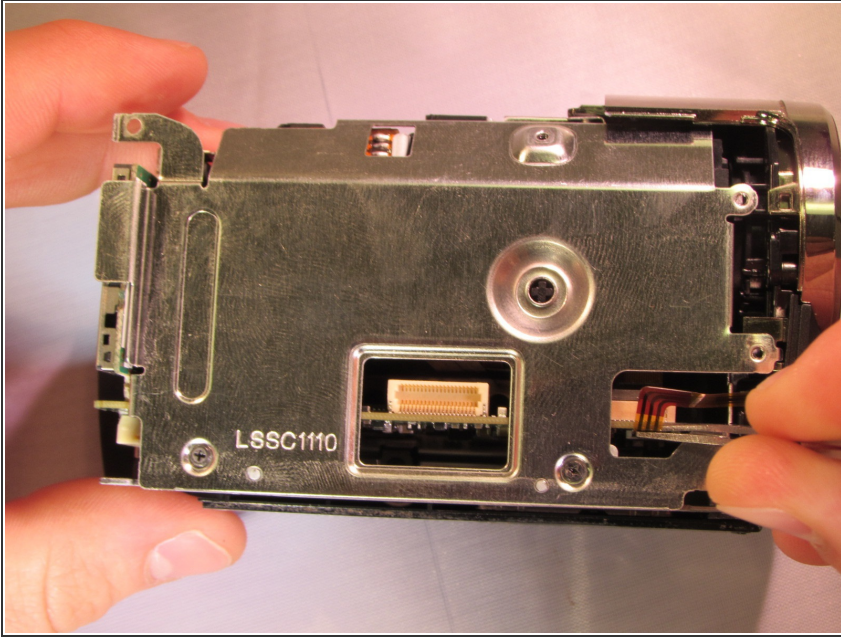
- Pull the plastic cover on the back out and up slightly until the back feels like it's free, then pull back on the plastic (The top cover piece and back will be detached).

## Step 10 — Front Cover and Midframe



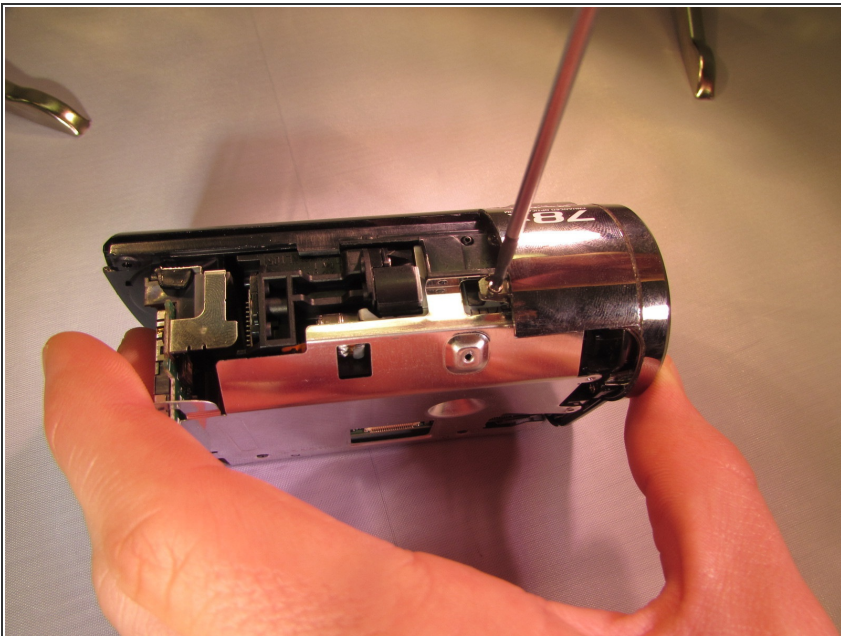
- Remove the black 4 mm screw located on the back of the camcorder under the SD card slot.

## Step 11



- There is a small copper ribbon on the right side of the device. Pull gently with the tweezers upward from the right side to get the copper ribbon free.

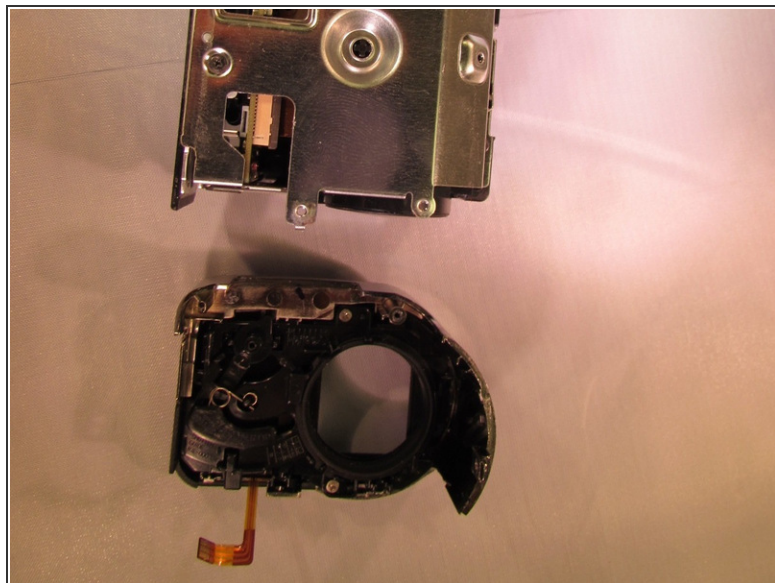
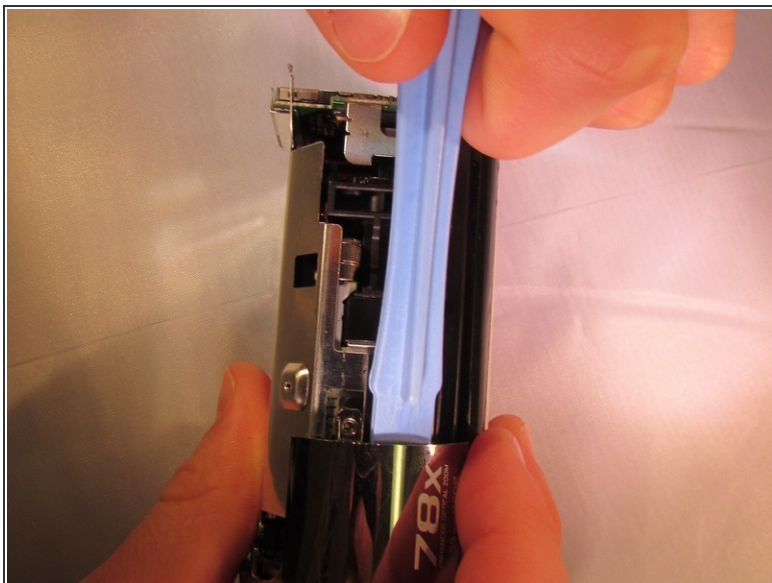
## Step 12



- Unscrew the silver 4 mm screw from on top of the camcorder.

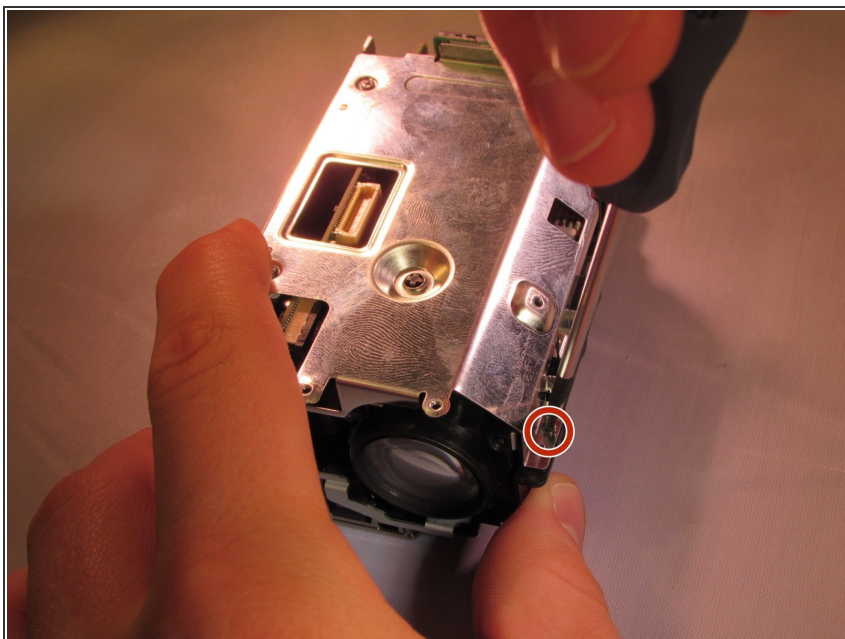


## Step 13



- Pry upwards on the front cover from the top of the device and with your other hand pull straight out on the front of the device (The front cover will be detached and free).

## Step 14



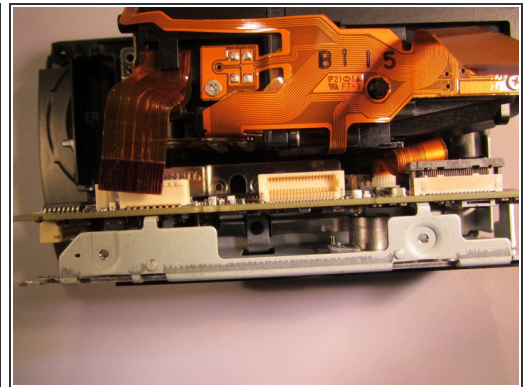
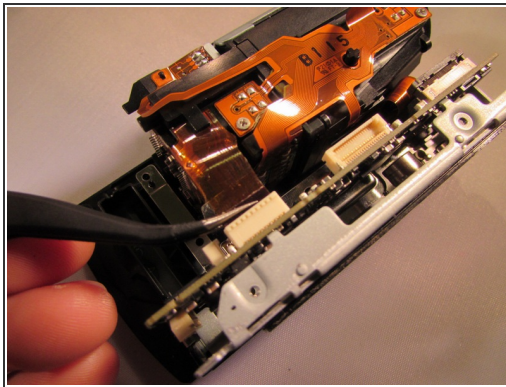
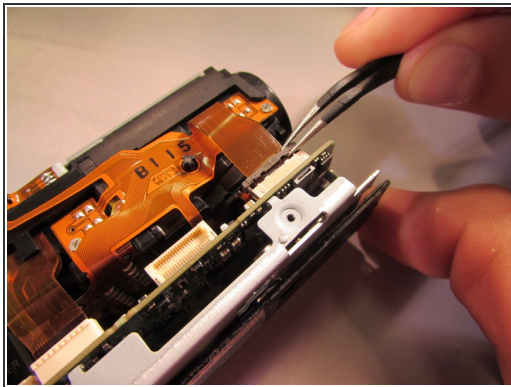
- Remove the 6 mm screw on the top of the metal casing which was under the front cover.

## Step 15



- Pull the metal casing straight off (The metal casing will be detached from the rest of the device).

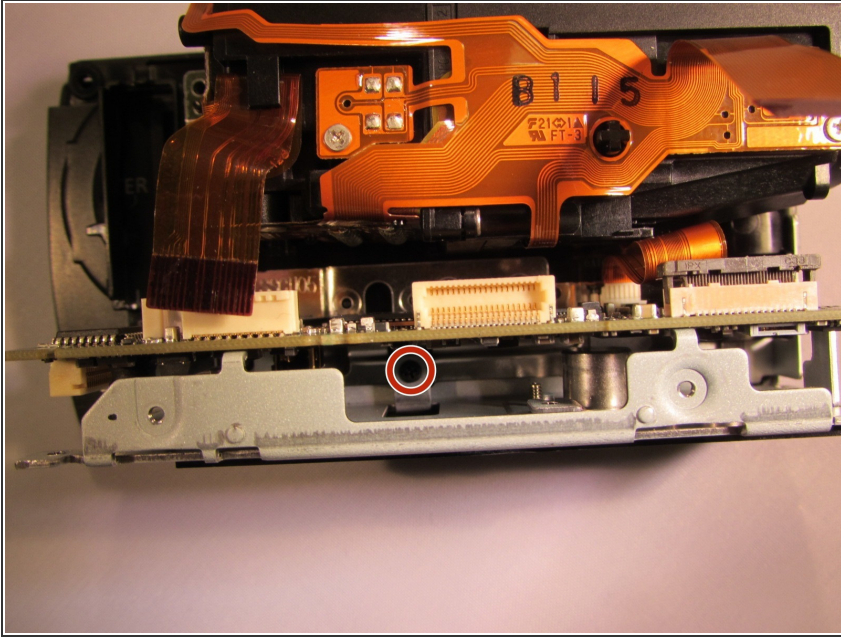
## Step 16 — Motherboard



- Unlock the forward most copper ribbon cable using the spudger, then detach the two ribbon cables, either by using your hand or the tweezers.

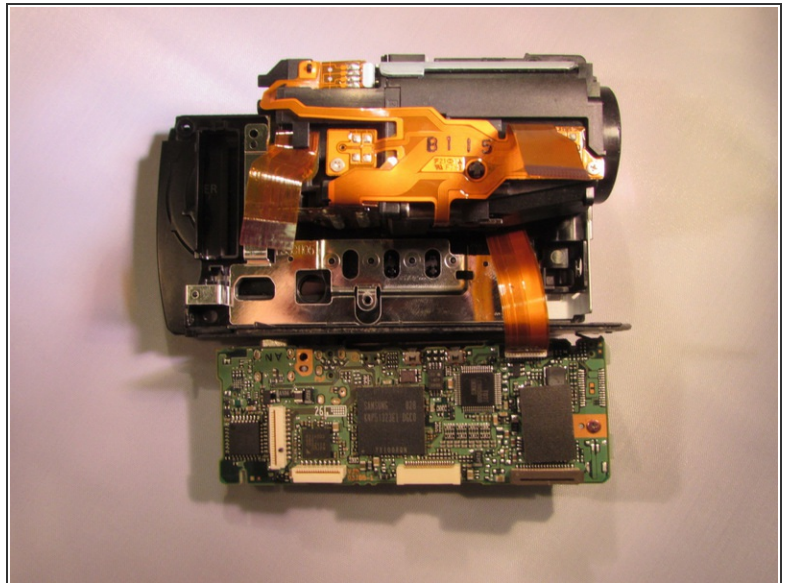
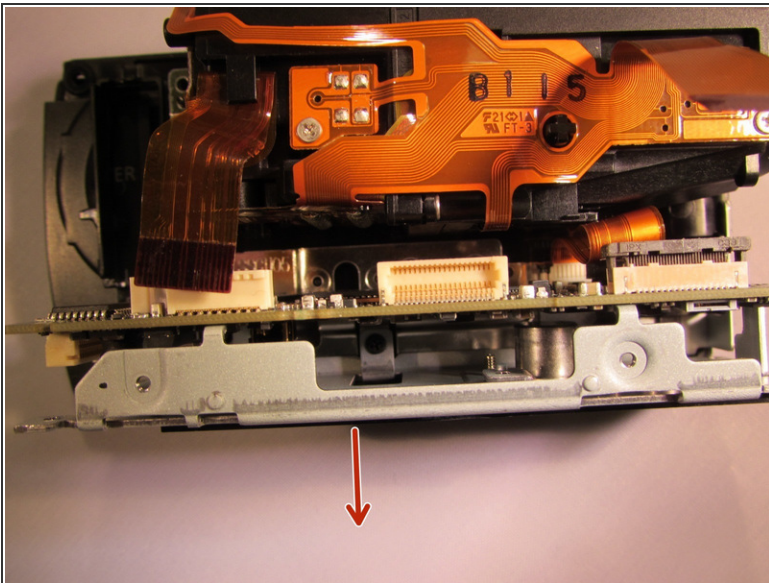


## Step 17



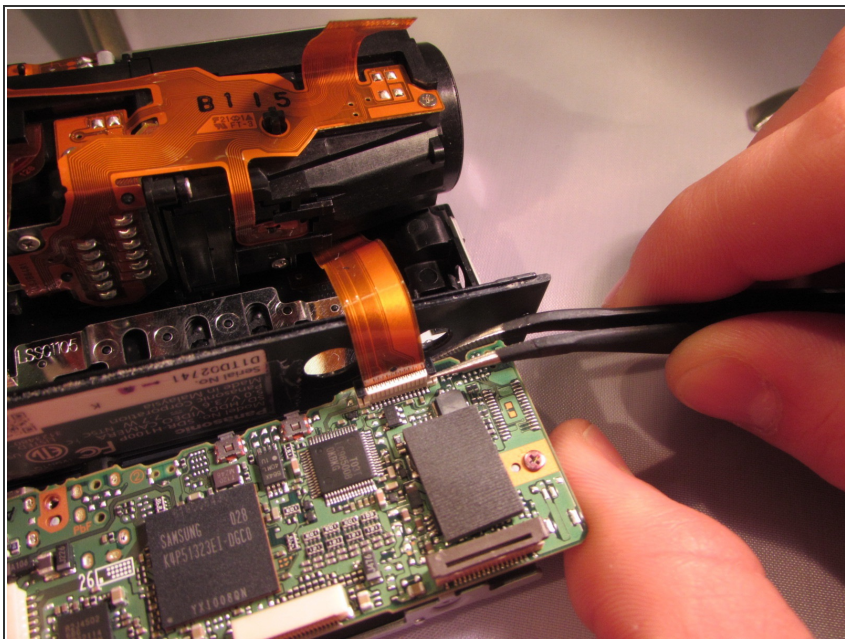
- Remove the black 4 mm screw underneath the motherboard.

## Step 18



- 3. Pull the plastic casing under the motherboard down slightly as you slide the motherboard and metal under the motherboard out slowly. (WATCH OUT for the copper ribbon cable that is still attached).

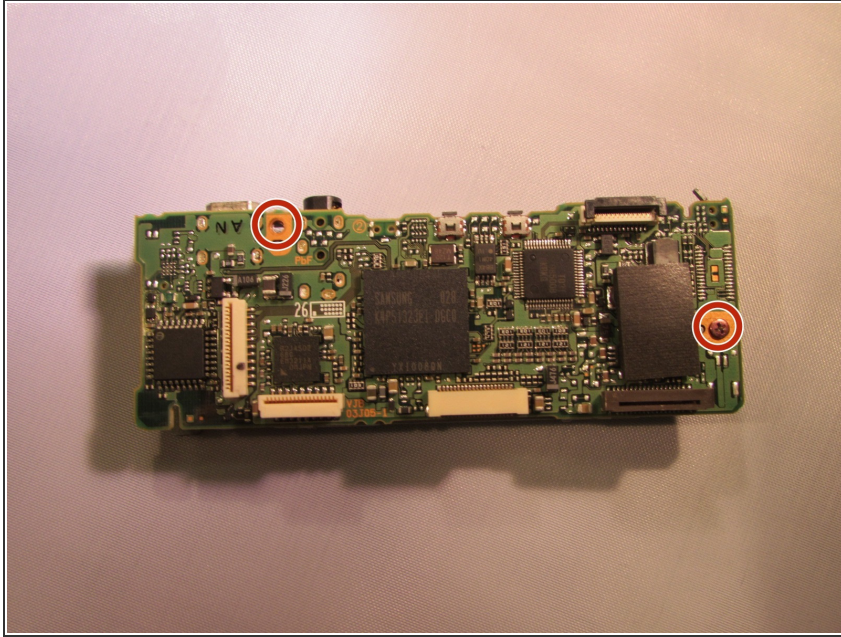
## Step 19



- Unlock the copper ribbon cable using the spudger then gently detach the third copper ribbon cable using your hand that is connected on the motherboard.

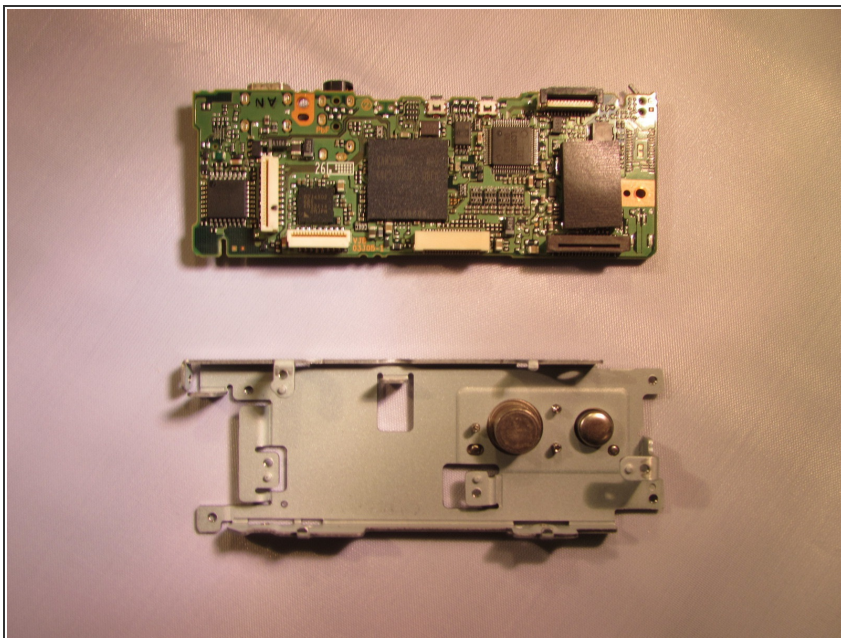


## Step 20



- The final step to get the motherboard completely free and ready to replace is taking out the two copper colored 4 mm screws that connect the motherboard from the metal piece below it.

## Step 21



- The motherboard is free (The motherboard is ready to be replaced).

To reassemble your device, follow these instructions in reverse order.

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